

# ***Built in Larder Service Manual***

***Factory MODEL : RS-19DL4SQ***

***DSG Model: CIL55W10***

***SKU : 084846***

## ***Content***

|                                                               |                     |
|---------------------------------------------------------------|---------------------|
| <b><i>1.Safety precautions .....</i></b>                      | <b><i>3~4</i></b>   |
| <b><i>2.Building in.....</i></b>                              | <b><i>5~6</i></b>   |
| <b><i>3. Specification.....</i></b>                           | <b><i>7~7</i></b>   |
| <b><i>4. Parts identification.....</i></b>                    | <b><i>8~8</i></b>   |
| <b><i>5.Cooling system diagram.....</i></b>                   | <b><i>9~9</i></b>   |
| <b><i>6.Circuit diagram.....</i></b>                          | <b><i>10~10</i></b> |
| <b><i>7.Maintenance service and Troubleshooting .....</i></b> | <b><i>11~12</i></b> |
| <b><i>8.Quality information report.....</i></b>               | <b><i>13~13</i></b> |
| <b><i>10.Exploded view and part list.....</i></b>             | <b><i>14~17</i></b> |

## ***1. Safety precautions***

---

## Important safety instructions

**These warnings are provided in the interests of your safety. Ensure you fully understand them before installing or using the appliance.**

**Your safety is not paramount importance. If you are unsure about the meaning of these warnings contact the Customer Care Department for assistance.**

### **Intended use**

The refrigerator is intended for use in the home. It is suitable for the storage of food at low temperature. If the appliance is used for purposes other than those intended or used incorrectly, no liability can be accepted by the manufacturer for any damage that may be caused.

Alterations or changes to the refrigerator are not permitted for reasons of safety.

If you use the refrigerator in a commercial application or for purposes other than the cooling of foods, the manufacturer accepts no liability for any damages that may occur.

### **Prior to initial start-up**

Check the appliance for transport damage. Under no circumstances should a damaged appliance be plugged in. In the event of damage, please contact your supplier.

### **Refrigerant**

The refrigerant isobutene (**R600a**) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable.

During transportation and installation of the appliance, be certain that none of the components of the refrigerant circuit become damaged.

If the refrigerant circuit should become damaged:

avoid open flames and sources of ignition, thoroughly ventilate the room in which the appliance is situated.

The instructions shall include the warnings:

**WARNING—**Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

**WARNING—**Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

**WARNING—**Do not damage the refrigerant circuit.

**WARNING—**Do not use electrical appliances inside the food storage compartments of the recommended by the manufacturer.

**WARNING—**The appliance is not intended for use by young children or infirm

---

persons without supervision.

**WARNING**—Young children should be supervised to ensure that they do not play with the appliance.

**WARNING**—Please keep the appliance away from substance, which can cause ignition.

**WARNING**—If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

**WARNING**—before obtaining access to terminals, all supply circuits must be disconnected.

**WARNING**—Please remove the door before you dispose your refrigerant.

### **Safety of children**

Packaging (e.g. wraps, polystyrene) can be dangerous for children.

There is a risk of suffocation! Keep packaging material away from children!

Make old appliances unusable prior to disposal. Pull out the mains plug, cut off the mains cable, break or remove spring or bolt catches, if fitted. By doing this you ensure that children cannot lock themselves in the appliance when playing (there is risk of suffocation!) or get themselves into other dangerous situations.

Often children cannot recognize the hazards present in household appliances. It is therefore important that you ensure adequate supervision and never let children play with the appliance!

### **Daily Operation**

Containers with flammable gases or liquids can leak at low temperatures. There is a risk of an explosion! Do not store any containers with flammable materials such as spray cans, fire extinguisher refill cartridges etc in the refrigerator and/or freezer.

Do not operate any electrical appliances in the refrigerator and/or freezer (e.g. electric ice cream makers, mixers etc.).

Before cleaning the appliance, always switch off the appliance and unplug it, or pull the house fuse or switch off the circuit breaker.

When unplugging always pull the plug from the mains socket, do not pull on the cable.

### **In case of malfunction**

If a malfunction occurs on the appliance, please look first in the “Trouble shooting” section of these instructions. If the information given there does not help, please do not perform any further repairs yourself.

Under no circumstance should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact your local AEG Service Force Center.

## 2. Build in

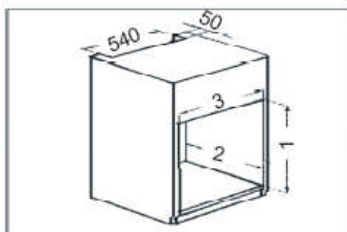
### Building in

Dimensions of the recess

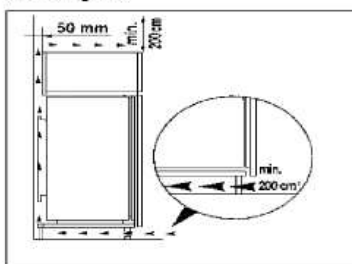
|               | RS-19DL4SQ | RS-28DL4SQ |
|---------------|------------|------------|
| Height (1) mm | 880        | 1225       |
| Depth (2) mm  | 550        | 550        |
| Width (3) mm  | 560        | 560        |

It is necessary that the cabinet has a ventilation recess with the following dimensions :

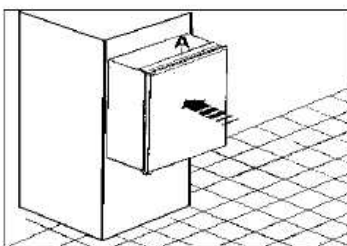
Depth 50mm  
Width 540 mm



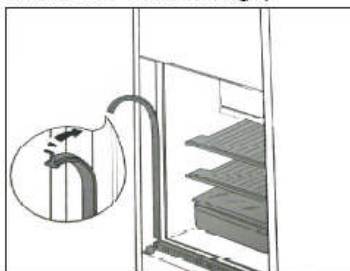
For appropriate venting, follow indications in the figure.



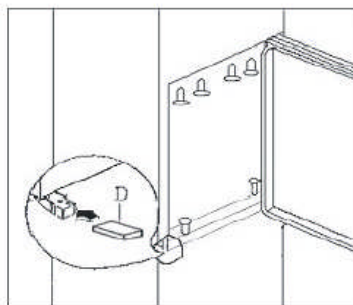
1. Push the appliance into the housing until stop strip (A) touches the kitchen unit.



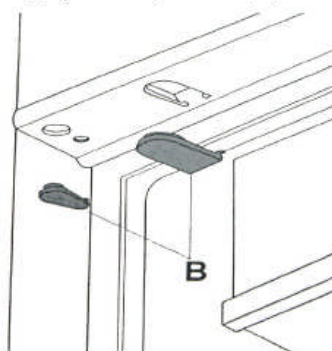
2. Press in the joint covers between the appliance and the kitchen furniture (only on the side without hinge)



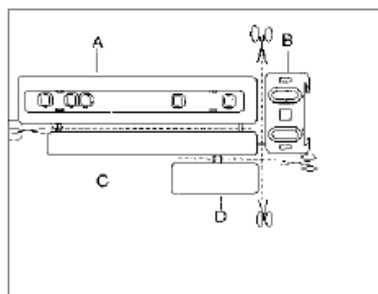
3. Open the door and push the appliance against the side of kitchen furniture opposite to that of appliance hinges. Fasten the appliance with 6 screws provided in the kit included with the appliance. Snap hinge cover (D) into position.



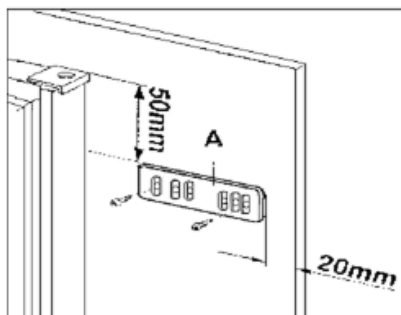
4. Apply blanking covers (B) as indicated.



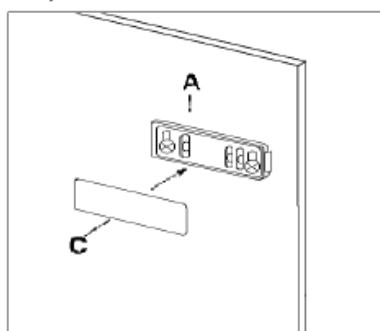
**5.** Separate parts A,B,C,D as shown in the figure.



**6.** Place guide (A) on the side part of the furniture door, up and down as shown in the figure and mark the position of external holes. After having drilled holes, fix the guide with the screws supplied.

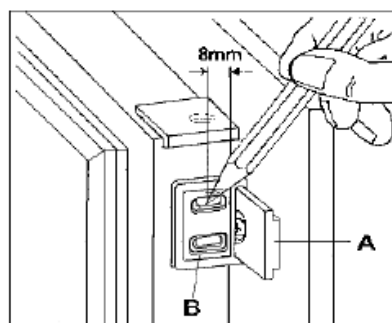


**7.** Fix cover ( C ) on guide (A) until it clips into place.

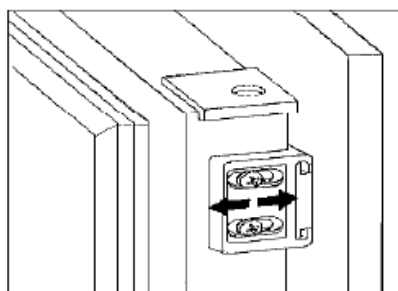


**8.** Open the appliance door and the furniture door at 90°. Insert the small square (B) into guide (A). Push together the appliance door and the furniture door and mark the holes as indicated in the

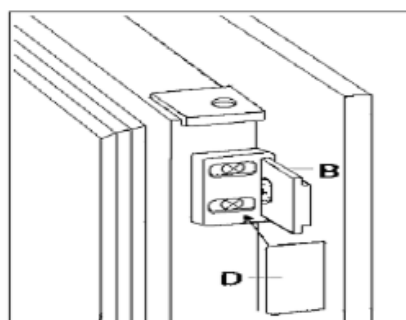
figure remove the squares and drill holes with  $\phi 2$  mm at 8 mm from the outer edge of the door. Place the small square on the guide again and fix it with the screws supplied.



**9.** Should the lining up of the furniture door be necessary, use the clearance of slots. At the end of operations, it is necessary to check the door of the furniture closes properly.



**10.** Fix cover (D) on guide (B) until it clips into place.

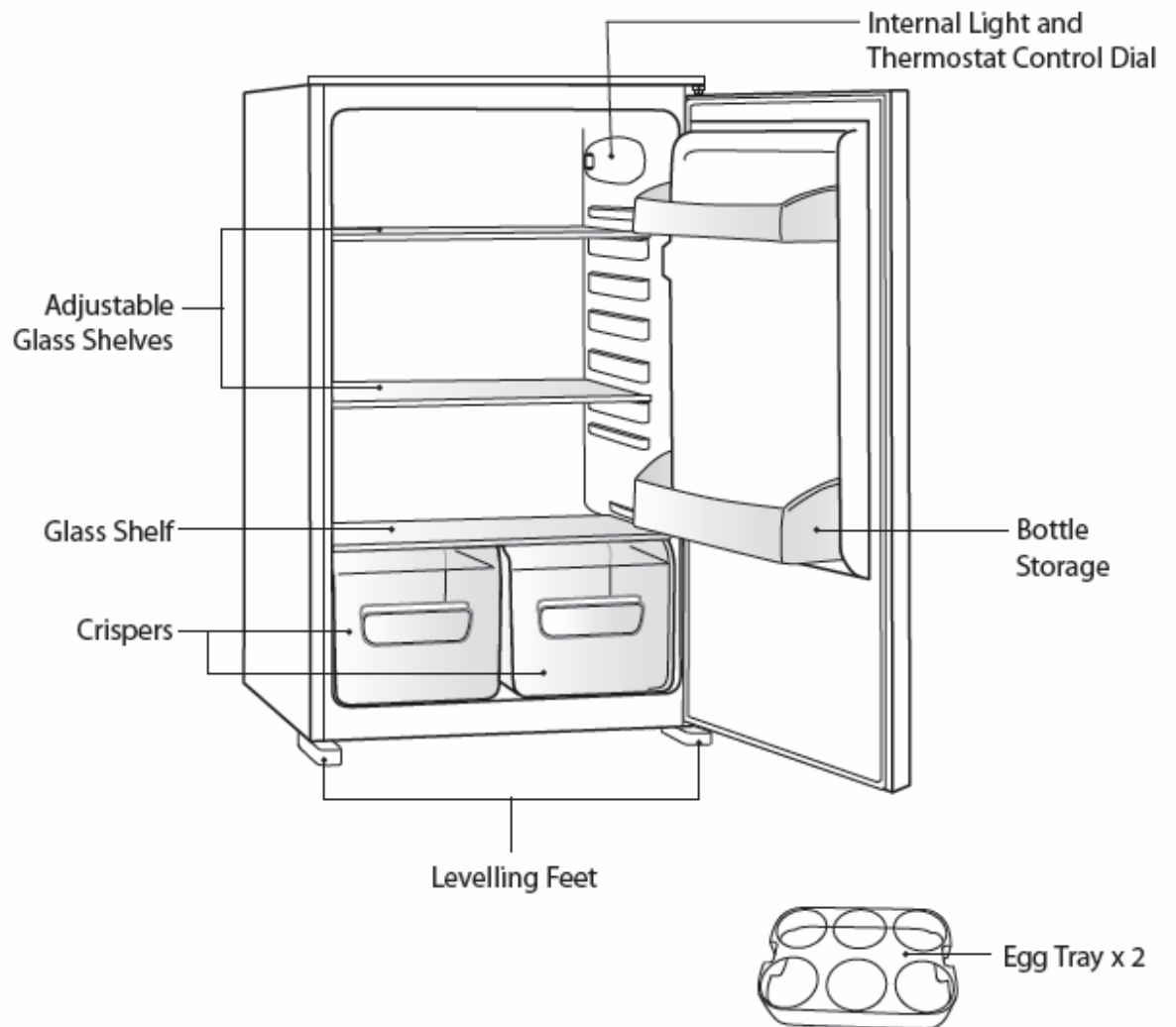


### 3. Specification

|                                      |                   |
|--------------------------------------|-------------------|
| <i>models</i>                        | <b>RS-19DL4SQ</b> |
| <i>net capacity (L)</i>              | 140               |
| <i>color</i>                         | white             |
| <i>power supply(V/Hz)</i>            | 220-240           |
| <i>rated input power (W)</i>         | 90                |
| <i>net weight (kg)</i>               | 33                |
| <i>gross weight(kg)</i>              | 38                |
| <i>unit dimension (D*W*H)(mm)</i>    | 545X540X872       |
| <i>packing dimension (D*W*H)(mm)</i> | 570X570X928       |
| <i>container quantity (PCS)</i>      | 153               |
| <i>Noise</i>                         | 39                |

#### 4. *Parts identification*

### Product Overview



### 5. Cooling system diagram

when the refrigeration is just powered on. The refrigerant flows in the sequence: Compressor Condenser Dry filter Capillary tube Evaporator .

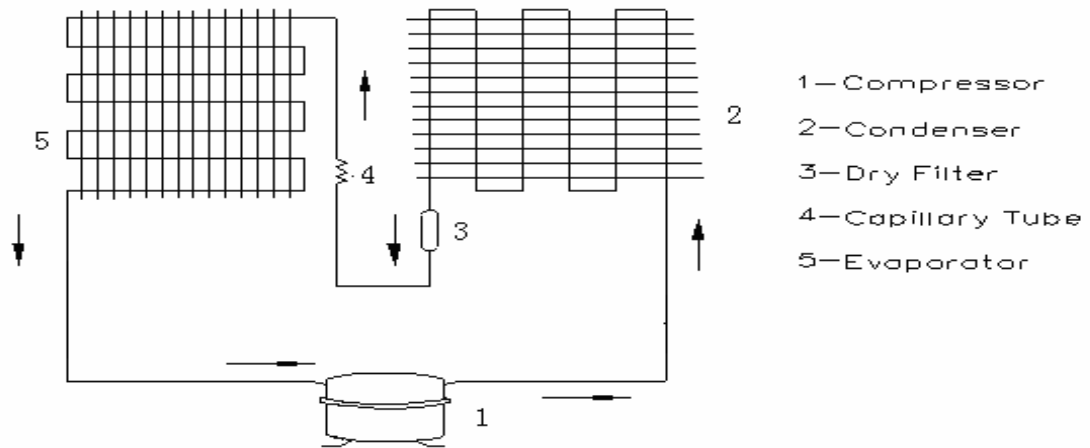
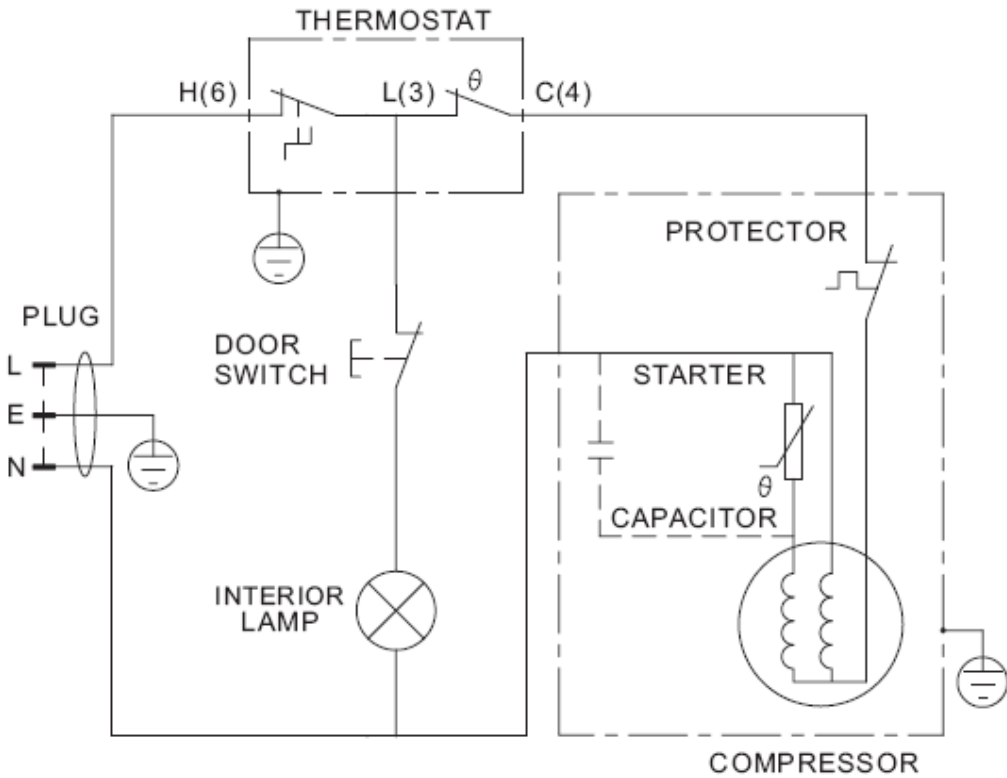


Fig.2

# ELECTRIC DIAGRAM



## 7. Maintenance service and Troubleshooting

### Cleaning and Care

For hygienic reasons the appliance interior, including interior accessories, should be cleaned regularly.

**Warning!**

The appliance may not be connected to the mains during cleaning. Danger of electrical shock! Before cleaning switch the appliance off and remove the plug from the mains, or switch off or turn out the circuit breaker or fuse.

Never clean the appliance with a steam cleaner. Moisture could accumulate in electrical components, danger of electrical shock! Hot vapors can lead to the damage of plastic parts.

The appliance must be dry before it is placed back into service.

**Important!**

Ethereal oils and organic solvents can attack plastic parts, e.g. lemon juice or the juice from orange peel, butyric acid, cleanser that contain acetic acid.

Do not allow such substances to come into contact with appliance parts.

Do not use any abrasive cleansers.

Remove the food from the refrigerator. Store it in a cool place, well covered.

Switch the appliance off and remove the plug from the mains, or switch off or turn out the circuit breaker or fuse.

Clean the appliance and the interior accessories with a cloth and lukewarm water. Commercially available dish washing detergents may also be used.

After cleaning wipe with fresh water and rub dry.

Accumulation of dust at the condenser increases energy consumption.

For this reason carefully clean the condenser at the back of the appliance once a year with a soft brush or a vacuum cleaner.

Check the water drain hole on the rear wall of the fridge.

Clear a blocked drain hole with the aid of the green peg in the pack of accessories included with the appliance.

After everything is dry place appliance back into service.

### Trouble shooting

### Correcting Malfunctions

Spare parts:

The following spare parts can be ordered from your local AEG Service Force Center. You can fit these yourself without any special skill or training, e.g.:

- butter/cheese compartment,
- egg holders,
- door racks,
- fruit and vegetable drawers,

storage racks.

A malfunction may be caused by only a minor fault that you can rectify yourself using the following instructions. Do not perform any other work on the appliance if the following information does not provide assistance in your specific case.

**Important!**

Repairs to refrigerators/freezers may only be performed by competent service engineers. Improper repairs can give rise to significant hazards for the user. If your appliance needs repairing, please contact your specialist dealer or your local Service Force Center.

| Symptom                                                                           | Possible Cause                                                                                                | Remedy                                                                                                                                                                      |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appliance does not work.                                                          | Appliance is not switched on.                                                                                 | Switch on the appliance.                                                                                                                                                    |
|                                                                                   | Mains plug is not plugged in or is loose.                                                                     | Insert mains plug.                                                                                                                                                          |
|                                                                                   | Fuse has blown or is defective.                                                                               | Check fuse, replace if necessary.                                                                                                                                           |
|                                                                                   | Socket is defective.                                                                                          | Mains malfunctions are to be corrected by an electrician.                                                                                                                   |
| Appliance cools too much.                                                         | Temperature is set too cold.                                                                                  | Turn the temperature regulator to a warmer setting temporarily.                                                                                                             |
| The food is too warm.                                                             | Temperature is not properly adjusted.                                                                         | Please look in the "initial Start Up" section.                                                                                                                              |
|                                                                                   | Door was open for an extended period.                                                                         | Open the door only as long as necessary.                                                                                                                                    |
|                                                                                   | A large quantity of warm food was placed in the appliance within the last 24 hours.                           | Turn the temperature regulation to a colder setting temporarily.                                                                                                            |
|                                                                                   | The appliance is near a heat source.                                                                          | Please look in the "installation location" section.                                                                                                                         |
| Interior lighting does not work.                                                  | Light bulb is defective.                                                                                      | Please look in the "changing the Light Bulb" section.                                                                                                                       |
| Heavy build-up of frost, possibly also on the door seal.                          | Door seal is not air-tight(possibly after reversing the door).                                                | Carefully warm the leaking sections of the door seal with a hair dryer(on a cool setting). At the same time shape the warmed door seal by hand such that it sits correctly. |
| Unusual noises.                                                                   | Appliance is not level.                                                                                       | Readjust the feet.                                                                                                                                                          |
|                                                                                   | The appliance is touching the wall or other objects.                                                          | Move the appliance slightly.                                                                                                                                                |
|                                                                                   | A component, e.g. a pipe, on the rear of the appliance is touching another part of the appliance or the wall. | If necessary, carefully bend the component out of the way.                                                                                                                  |
| The compressor does not start immediately after changing the temperature setting. | This is normal, no error has occurred.                                                                        | The compressor starts after a period of time.                                                                                                                               |
| Water on the floor or storage shelves.                                            | Water drain hole is blocked.                                                                                  | See the "cleaning and care" section.                                                                                                                                        |

## 7. Quality information report

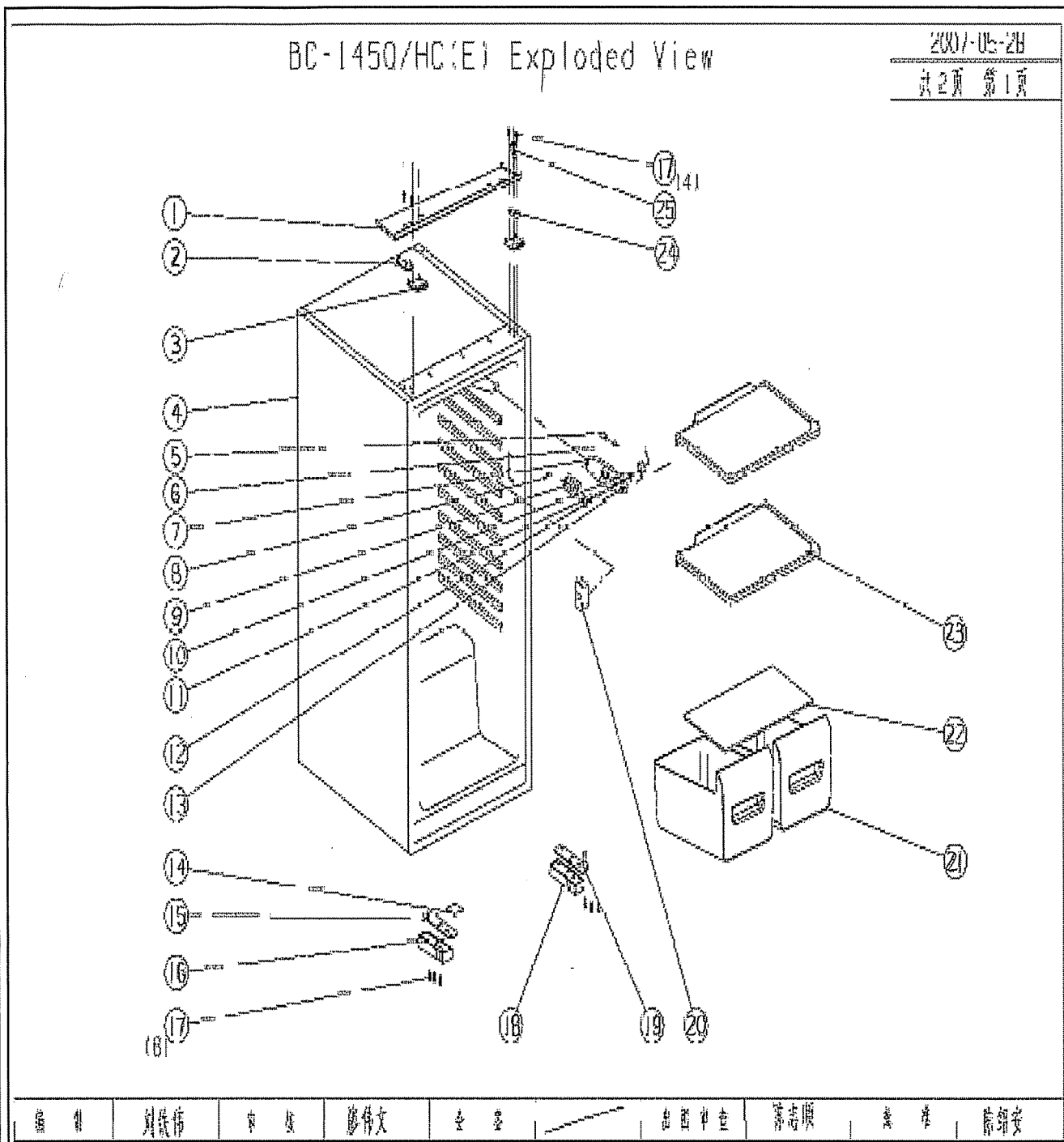
### Quality information

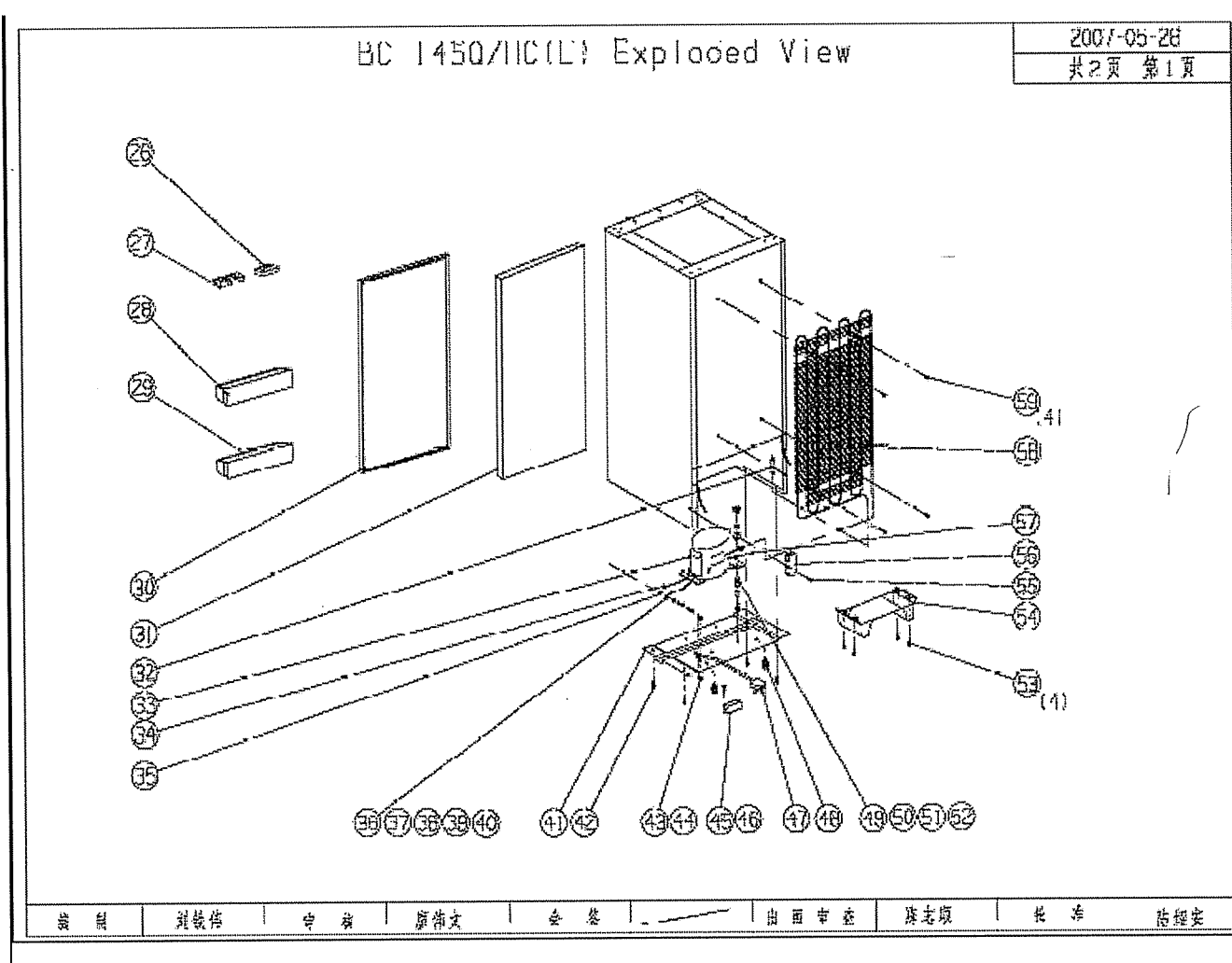
Thank you very much for purchasing our products. In order to provide you with more satisfied products, please kindly fill in the questionnaire as the items indicated below. We shall strive for best to optimize our products based on your suggestion.

|                                                               |                  |                     |         |                   |                   |                    |
|---------------------------------------------------------------|------------------|---------------------|---------|-------------------|-------------------|--------------------|
| Client name                                                   |                  |                     |         |                   |                   |                    |
| Sale area                                                     |                  |                     |         |                   |                   |                    |
| Date                                                          |                  |                     |         |                   |                   |                    |
| No.                                                           | Product<br>model | Quality<br>describe | problem | Service<br>result | Quantity<br>/rate | Factory serial No. |
| 1                                                             |                  |                     |         |                   |                   |                    |
| 2                                                             |                  |                     |         |                   |                   |                    |
| 3                                                             |                  |                     |         |                   |                   |                    |
| 4                                                             |                  |                     |         |                   |                   |                    |
| 5                                                             |                  |                     |         |                   |                   |                    |
| 6. Quality problem of whole sale product: detail descriptions |                  |                     |         |                   |                   |                    |
| client suggest:                                               |                  |                     |         |                   |                   |                    |
| Factory activity:                                             |                  |                     |         |                   |                   |                    |

## 8.Exploded view and part list

### 8.1 Exploded view





## 8.2 part list

### CIL55W10 PART LIST (220V~240V/50Hz)

| NO. | PART NO.   | PART NAME              | NEW PRICE(USD) | QUANTITY | DRAWING NO.           | PART NAME                  |
|-----|------------|------------------------|----------------|----------|-----------------------|----------------------------|
| 1   | 9101300792 | Connecting plate       | 3.00           | 1        | BCD275/HC(E).00.01-01 | 连接顶板                       |
| 2   | 9210200699 | Upepr hinge cover      | 0.20           | 1        | BCD275/HC(E).00-13    | 上门铰盖                       |
| 3   | 9210200695 | Connecting plate cover | 0.10           | 2        | BCD275/HC(E).00-12    | 连接顶板螺钉盖                    |
| 4   | 9100101298 | Box body               |                | 1        | BC145Q/HC(E).08-00    | 箱体                         |
| 5   | 9140400121 | Whorl lamp             | 0.30           | 1        | E14/25x17             | 螺口灯泡 240V 15W              |
| 6   | 9150400185 | Lamp holder parts      | 0.90           | 1        | BDG17-52              | 灯座                         |
| 7   | 1401135    | Thermostat cover       | 2.00           | 1        | BC168/H(E).04-01      | 控制器壳                       |
| 8   | 1701205    | Screw ST2.9x9.5        | 0.05           | 1        | GB846-85              | 自攻螺钉 ST2.9x9.5<br>0Cr18Ni9 |
| 9   | 9210700271 | Lamp cover             | 0.80           | 1        | TB04-02(JA)           | 灯罩                         |

|       |            |                             |       |    |                       |                         |
|-------|------------|-----------------------------|-------|----|-----------------------|-------------------------|
| 10    | 120369     | Block                       | 0.10  | 1  | TB04-08(F)            | 卡环                      |
| 11    | 141073     | Knob                        | 0.20  | 1  | TB04-04(J)            | 调温旋钮                    |
| 12    | 9140700122 | Thermostat                  | 4.50  | 1  | WDF30K-921-028        | 温控器                     |
| 13    | 1701143    | Screw ST4x12                | 0.10  | 1  | GB845-76              | 自攻螺钉 ST4x12<br>0Cr18Ni9 |
| 14    | 9210200694 | Lower hinge cover           | 0.30  | 1  | BCD275/HC(E).00-11    | 下门铰盖                    |
| 15    | 9110200565 | Lower hinge pad             | 0.60  | 1  | BCD275/HC(E).00.05-02 | 下门铰座                    |
| 16    | 9110200666 | Left support                | 2.00  | 1  | BC215/HC(E).00-05     | 左支承                     |
| 17    | 1701183    | Flange screw M5x16          | 0.05  | 10 | BDG36-20              | 法兰面螺钉 M5x16             |
| 18    | 9110200665 | Right support               | 0.60  | 1  | BC215/HC(E).00.03-01  | 右支承                     |
| 19    | 9120400558 | Lower hinge parts           | 1.40  | 1  | BCD275/HC(E).00.05-00 | 下门铰部件                   |
| 20    | 9141000200 | Door switch                 | 0.90  | 1  | BDG16-37              | 门开关                     |
| 21    | 9210100212 | Crisper drawer              | 6.00  | 2  | BC215/HC(E).00-01     | 果菜箱                     |
| 22    | 9210200693 | Crisper box cover parts     | 2.50  | 1  | BCD275/HC(E).00.03-00 | 果菜箱盖部件                  |
| 23    | 9210501518 | Shelves parts               | 4.50  | 2  | BCD275/HC(E).00.02-00 | 层架部件                    |
| 24    | 9120400550 | Hinge core connecting block | 0.10  | 1  | BCD275/HC(E).00.01-02 | 铰芯连接块                   |
| 25    | 9120400551 | Upper hinge core            | 0.20  | 1  | BCD275/HC(E).00.01-03 | 上门铰芯                    |
| 26-27 | 21049      | eggs tray                   | 0.50  | 2  | BCD193.06-15          | 蛋格                      |
| 28    | 9210500455 | Upper shelf                 | 2.90  | 1  | BC118/HC(E).03-06     | 中搁架                     |
| 29    | 9210500456 | Lower shelf                 | 3.00  | 1  | BC118/HC(E).03-07     | 下搁架                     |
| 30    | 9160100487 | Door gasket                 | 2.50  | 1  | BC145Q/HC(E).03.01-00 | 门封                      |
| 31    | 9100502496 | Door                        | 16.00 | 1  | BC145Q/HC(E).03-00    | 门                       |
| 32    | 13061      | Drier filter                | 1.50  | 1  | BDG27-05              | 干燥过滤器                   |
| 33    | 55145      | Compressor                  | 45.00 | 1  |                       | 压缩机                     |
| 34    | 915010026  | Compressor connecting wire  | 0.50  | 1  | BDG35-00              | 压缩机连接线                  |
| 35    | 6170300013 | Screw nut M5                | 0.10  | 2  | GB/T 6170-85          | 螺母 M5 H62               |
| 36    | 915010025  | Compressor ground wire      | 0.05  | 1  | BDG34-00              | 压缩机接地线                  |
| 37    | 170110     | Screw nail M5 x12           | 0.05  | 2  | GB818-85              | 螺钉 M5 x12 H62           |
| 38    | 170462     | Round-pad 5                 | 0.06  | 2  | GB862.1-87            | 外齿锁紧垫圈 5 65Mn           |
| 39    | 9170400106 | Round-pad5(H62)             | 0.06  | 2  | GB95-85               | 垫圈 5 H62                |
| 40    | 170414     | Round-pad5(65Mn)            | 0.06  | 2  | GB93-87               | 垫圈 5 65Mn               |
| 41    | 9110800276 | Compressor base parts       | 3.90  | 1  | BCD275/HC(E).00.08-00 | 压缩机托板部件                 |
| 42    | 170261     | Screw assembly M6 x16       | 0.05  | 4  | BDG36-03              | 组合螺栓 M6 x16             |
| 43    | 1701180    | Screw nail M5 x12           | 0.05  | 2  | GB818-85              | 螺钉 M5 x12 镀锌钝化          |
| 44    | 17034      | Screw nut M5                | 0.05  | 2  | GB6170-86             | 螺母 M5 镀锌钝化              |
| 45    | 9101300702 | Ground wire cover           | 0.10  | 1  | T00-79                | 接地线盖                    |
| 46    | 170113     | Screw ST4.2x9.5             | 0.05  | 1  | GB845-85              | 自攻螺钉 ST4.2x9.5 镀锌钝化     |
| 47    | 1501280    | Power supply cord with plug | 4.00  | 1  | TB00.02A-00(C)        | 双圆插电源线                  |

|    |            |                      |      |   |                      |                    |
|----|------------|----------------------|------|---|----------------------|--------------------|
| 48 | 9110400131 | Front leg            | 0.50 | 2 | TB00.01C-00          | 前脚                 |
| 49 | 17023      | Screw bolt M6x30     | 0.05 | 4 | GB5783-86            | 螺栓 M6x30 镀锌钝化      |
| 50 | 17044      | Round-pad 6          | 0.05 | 4 | GB96-85              | 垫圈 6 镀锌钝化          |
| 51 | 17042      | Round-pad 6          | 0.05 | 4 | GB93-87              | 垫圈 6 65Mn          |
| 52 | 170355     | Screw nut M6         | 0.05 | 4 | GB6175-86            | 螺母 M6 镀锌钝化         |
| 53 | 17013      | Screw ST4.2x13       | 0.05 | 8 | GB845-85             | 自攻螺钉 ST4.2x13 镀锌钝化 |
| 54 | 9110600185 | Drip tray            | 1.50 | 1 | BCD325WY/HC(E).00-09 | 接水盘                |
| 55 | 1701131    | Screw nail           | 0.05 | 1 | T00-22               | 自攻螺钉               |
| 56 | 9210200665 | Junction box parts   | 0.05 | 1 | TB00.29-00           | 接线盒部件              |
| 57 | 13031      | Process tube         | 1.00 | 1 | T00-07               | 封尾管                |
| 58 | 1302332    | Backside condensator | 5.50 | 1 | BC118/HC(E).00.04-00 | 后背式冷凝器             |
| 59 | DSGCSS145  | Instruction Manual   | 0.40 |   |                      |                    |
| 60 | IG5510     | .Installation Guide  | 0.10 |   |                      |                    |